

Title (en)

Distributor plates for composite pressure vessel assemblies and methods

Title (de)

Verteilerplatten für Verbunddruckbehälter-Baugruppen und entsprechende Verfahren

Title (fr)

Plateaux de rupteur pour ensembles de récipient composite sous pression et procédés

Publication

EP 2023032 A1 20090211 (EN)

Application

EP 07121254 A 20071122

Priority

US 83415107 A 20070806

Abstract (en)

The present invention provides: a distributor plate for a composite pressure vessel. The distributor plate includes a thermoplastic polymeric disk having a top side, a bottom side, a perimeter edge and a central opening. Radial slits are formed in the disk to define fluid flow passages through the disk between the central opening and the perimeter edge. The fluid flow passages through the disk are adapted to swirl fluid flowing through the disk from the bottom side to the top side around the central opening. The present invention also provides a water treatment vessel that includes one or more distributor plates, a method for manufacturing a composite pressure vessel that includes one or more of the distributor plates and a method for preparing a composite pressure vessel that includes one or more of the distributor plate for use as a water treatment apparatus.

IPC 8 full level

F17C 1/16 (2006.01); **F17C 1/06** (2006.01)

CPC (source: EP US)

F17C 1/16 (2013.01 - EP US); **Y10T 137/85938** (2015.04 - EP US)

Citation (search report)

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